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PROJECT CONSULTANT

QUALITY CHECK ABSTRACT

Project Name: Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division

Client: Executive Engineer, project division, yelahanka zone.

Contractor: M/s Ramkrishy Infrastructure Pvt Ltd Bangalore.

Contractor Work Order No: - EE(Project)/YNK zone/WO/107/2020-21 , Dated 03-10-2020

Sl No	Type of Construction	Unit	Quantity	Test	Frequency (min) as per IS 456:2000 and MoRT&H V Revision	No of Test Frequency of Sample
1	Cement Physical Tests			Test as per [IS:4031 Part 1 to 5]	Once for each source of supply and occasionally when called for in case of long / improper storage.	One
2	Coarse and Fine Aggregates			Test as per [IS: 2386:1963 (RA 2016)] i)Gradation ii) Water Absorption	One test for every days' work of each fraction of coarse aggregate and fine aggregate, initially;	One

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, JnanaBharathi, Bangalore – 560 056. Tel: 080-23240109,

4	Reinforced cement concrete M25	Cum	257.00	Cube tests	Once for each source of supply and subsequently on monthly	Two Sample .
5	REINFORCEMENT STEEL BAR	Tn		i)Elongation	–	3 sample

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Tests on Cement

[IS:4031 – Part 1 to 5]

TEST REPORT

Project Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 01	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date:	05/05/2021
Sample Supplied by:	Agency / Contractor		

The test results conducted on the cement sample are as follows:

Sl No	Description	Test Method as per IS Standards	Test Result	Standard Requirements	Remarks
1	Fineness of Cement	IS 4031 (Part-1)	3.1%	Obtained Test Results Should Be Less Than 10%	OPC
2	Initial Setting Time	IS 4031 (Part-5)	126Minutes	Obtained Test Results Should not be less than 30 minutes	
3	Final Setting Time	IS 4031 (Part-5)	343Minutes	Obtained Test Results Should not be more than 600 minutes	
4	Soundness	IS 4031 (Part-3) by Le-Chatelier method	3.3 mm	Not more than 10mm	
5	Standard Consistency	IS-4031 (Part-4)	28%	Obtained Test results Should be 20% to 30%	

Remarks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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PROJECT CONSULTANT

Gradation Test on Fine Aggregate

[IS:383-2016]

TEST REPORT

Project Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 02	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date	05/10/2021
Sample Supplied by:	Agency / Contractor		
Material Tested:	Fine Aggregate	Total weight taken:	1500 gms

The test results conducted on the fine aggregate sample are as follows:

IS Sieve size (mm)	Wt. retained (g)	Cumulative wt. retained (g)	% Cumulative wt. retained	% Cumulative wt. passing	Specification as IS 383-2016
10	0	0	0	100	100
4.75	75	75	5.00	95.00	90 to 100
2.36	134	209	13.93	86.07	75 to 100
1.18	324	533	35.53	64.47	55 to 90
600 Micron	350	883	58.87	41.13	35 to 59
300 Micron	329	1212	80.80	19.20	8 to 30
150 Micron	267	1479	98.60	1.40	0 to 10
Pan	21	1500	100	0.00	0
Remarks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.					

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3	Weight of Pycnometer +Water (B),gm	1526	
4	Weight of Oven Dry Sample (D), gm	486	
I	**Specific Gravity ,G**	**2.81**	
II	**Apparent Specific Gravity**	**3.06**	
III	**Water Absorption**	**2.88%**	**Standard Requirements (0.1% to 5%)**

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PROJECT CONSULTANT

TEST REPORT

Specific Gravity of Fine Aggregates

IS:2386(PART3):1963(RA 2016)

Project Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 03	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date:	05/05/2021
Sample Supplied by:	Agency / Contractor		
Material Tested:	Fine Aggregate		

The test results conducted on the fine aggregate sample are as follows:

Sl no	Description	Sample weight	Test Method As Per IS 2386(Part 3):1963(RA 2016)
1	Weight of Saturated dry sample (C),gm	500	Standard Requirements (2 to 4)
2	Weight of Pycnometer +Saturated dry sample + Water (A),gm	1853	

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Tests on Aggregate [IS:2386:1963(RA 2016)]

TEST REPORT

Project Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 05	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date:	03/05/2021
Sample Supplied by:	Agency / Contractor		

The testresults conducted on the aggregate sample are as follows:

No	Description	Test Method as per IS Standards	Test Result	Standard Requirements	Remarks
1	Flakiness index	IS 2386 (Part-1):1963(RA 2016)	19.40	Obtained Test Results Should Be 1% to 30%	
2	Elongation index	IS 2386(Part 1) :1963 (RA 2016)	9.89	Obtained Test Results Should be 1% to 30 %	
3	Specific Gravity	IS 2386 (Part 3): 1963 (RA 2016)	2.45	Obtained Test Results Should be 2 to 4	
4	Water Absorption	IS 2386 (Part-3) :1963 (RA 2016)	2.9%	Obtained Test Results should be 1% to 5%	
5	Aggregates Impact Value	IS 2386 (Part -4) :1963 (RA 2016)	39%	Obtained Test Results should be 1% to 60%	
Remarks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.					

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 10mm

Name & Address of the Client	Executive Engineer, Project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
Name of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Date of Testing	15-05-2021
Grade of Steel	Fe - 500

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	13.9	12	Satisfactory
5	Yield Stress(N/Sq.mm)	504	500	Satisfactory
6	U T S (N/Sq.mm)	560	545	Satisfactory

Note:

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PREETHI CAD CONSULTING ENGINEERS PVT.LTD

TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 12 mm

me & Address the Client	Executive Engineer, Project division, yelahanka zone.
me of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
me of the ncy	M/s Ramkrishy Infrastructure Pvt Ltd
te of Testing	15-05-2021
ade of Steel	Fe - 500

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.2	12	Satisfactory
5	Yield Stress(N/Sq.mm)	509	500	Satisfactory
6	U T S (N/Sq.mm)	565	545	Satisfactory

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 16 mm

Name & Address of the Client	Executive Engineer, Project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.
Name of the Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Date of Testing	15-05-2021
Grade of Steel	Fe - 500

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.3	12	Satisfactory
5	Yield Stress(N/Sq.mm)	518	500	Satisfactory
6	U T S (N/Sq.mm)	575	545	Satisfactory

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PREETHI CAD CONSULTING ENGINEERS PVT.LTD

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Client	Executive Engineer, project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division
Name of Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Grade of Concrete	M-25
No. of cubes tested	3
Location	At site
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

ID	Dimension of specimen (mm)					Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
	150.07	X	150.06	X	150.0	22520	01/06/2021	28/06/2021	28	8.21	615	**27.31**	**27.53**
	150.06	X	150.08	X	150.0	22521				8.22	620	**27.53**	
	150.05	X	150.04	X	150.0	22514				8.19	625	**27.76**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Client	Executive Engineer, project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division
Name of Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Grade of Concrete	M-25
No. of cubes tested	3
Location	At site
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)					Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-2	150.08	X	150.07	X	150.0	22523	01/06/2021	28/06/2021	28	8.21	620	**27.53**	**27.53**
2		150.07	X	150.06	X	150.0	22520				8.19	615	**27.31**	
3		150.09	X	150.07	X	150.0	22524				8.20	625	**27.75**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

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Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division
Name of Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Grade of Concrete	M-25
No. of cubes tested	3
Location	At site
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)					Cross sectional area (mm²)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-1	150.01	X	150.04	X	150.0	22508	01/06/2021	28/06/2021	28	8.22	625	**27.77**	**27.98**
2		150.05	X	150.04	X	150.0	22514				8.20	630	**27.98**	
3		150.06	X	150.05	X	150.0	22517				8.19	635	**28.20**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Client	Executive Engineer, project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division
Name of Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Grade of Concrete	M-25
No. of cubes tested	3
Location	At site
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-2	150.05 X 150.04 X 150.0	22514	01/06/2021	28/06/2021	28	8.12	620	**27.54**	**27.54**
2		150.04 X 150.06 X 150.0	22515				8.14	625	**27.76**	
3		150.03 X 150.04 X 150.0	22511				8.16	615	**27.32**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Client	Executive Engineer, project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division
Name of Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Grade of Concrete	M-25
No. of cubes tested	3
Location	At site
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)					Cross sectional area (mm²)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-3	150.07	X	150.06	X	150.0	22520	01/06/2021	28/06/2021	28	8.21	615	**27.31**	**27.53**
2		150.06	X	150.08	X	150.0	22521				8.22	620	**27.53**	
3		150.05	X	150.04	X	150.0	22514				8.19	625	**27.76**	

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Client	Executive Engineer, project division, yelahanka zone.
Name of Work	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division
Name of Agency	M/s Ramkrishy Infrastructure Pvt Ltd
Grade of Concrete	M-25
No. of cubes tested	3
Location	At site
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-1	150.09 X 150.07 X 150.0	22524	01/06/2021	28/06/2021	28	8.20	625	**27.75**	**27.98**
2		150.05 X 150.08 X 150.0	22520				8.22	630	**27.98**	
3		150.06 X 150.04 X 150.0	22515				8.21	635	**28.20**	

Note:

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